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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER <b>5259-057NP</b>
INTERNATIONAL APPLICATION NO. <b>PCT/JP2004/000981</b>	INTERNATIONAL FILING DATE <b>02 February 2004 (2.02.2004)</b>	U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/544156</b>
TITLE OF INVENTION <b>OPTICAL NETWORK, OPTICAL EDGE ROUTER, AND PROGRAM THEREFOR CUTING -THROUGH METHOD, AND EDGE ROUTER</b>		
APPLICANT(S) FOR DO/EO/US <b>KOJIMA, Hisashi, et al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input checked="" type="checkbox"/> has been communicated by the International Bureau. c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). a. <input checked="" type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
Items 11 to 20 below concern document(s) or information included:		
<p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A preliminary amendment.</p> <p>14. <input checked="" type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT. Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/544156</b>	INTERNATIONAL APPLICATION NO. PCT/JP2004/000981	ATTORNEY'S DOCKET NUMBER 5259-057NP		
<p>20. Other items or information:</p> <p>Express Mail Transmittal (Label EV 716 202 835 US); Check for \$2,500.00; English Translation of Formal Drawings (19 pages); Form HDP-1449 listing 9 refs (8 enclosed) with ISR, English Translation of ISR and Written Opinion of ISA; Copy of Published Int'l App WO 2004/071033 A1; Return Postcard</p>				
The following fees have been submitted		CALCULATIONS PTO USE ONLY		
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....		\$ 300		
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))  If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200		\$ 200.00		
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))  If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500		\$ 400.00		
<b>TOTAL OF 21, 22 and 23 =</b>		900.00		
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.				
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		
75 - 100 =	-25 /50 =	x \$250		
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).		\$ 0.00		
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$
Total claims	20 - 20 =	0	x \$50	\$ 0.00
Independent claims	9 - 3 =	6	x \$200	\$ 1,200.00
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$ 360.00
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 2,460.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/4.				0.00
<b>SUBTOTAL =</b>				\$ 2,460.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0.00
<b>TOTAL NATIONAL FEE =</b>				\$ 2,460.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00
<b>TOTAL FEES ENCLOSED =</b>				\$ 2,500.00
Amount to be refunded:				\$
Amount to be charged				\$

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a.  A check in the amount of \$ 2,500.00 to cover the above fees is enclosed.

b.  Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is enclosed.

c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-0750. A duplicate copy of this sheet is enclosed.

d.  Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Gregory A. Stobbs  
HARNESS, DICKEY & PIERCE, P.L.C.  
P. O. Box 828  
Bloomfield Hills, MI 48303  
United States of America



SIGNATURE

Gregory A. Stobbs

NAME

28,764

REGISTRATION NUMBER

Dated: August 1, 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
AS DESIGNATED/ELECTED OFFICE (DO/EO/US)

10/544156

Express Mail No.: EV 716 202 835 US

Date of Deposit: 01 August 2005

Application No.: Not Yet Assigned – National Phase of PCT/JP2004/000981

International  
Filing Date: February 2, 2004

Applicant: Hisashi KOJIMA, et al.

Title: OPTICAL NETWORK, OPTICAL EDGE ROUTER, AND  
PROGRAM THEREFOR CUTTING-THROUGH  
METHOD, AND EDGE ROUTER

Attorney Docket: 5259-057/NP

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**EXPRESS MAIL TRANSMITTAL**

The following papers are being deposited with the United States Postal Service Express Mail Post Office to Addressee on 01 August 2005 and addressed for receipt by the United States Patent and Trademark Office:

1. Express Mail Transmittal (Label No. EV 716 202 835 US);
2. Check in the amount of \$2,500.00;
3. Transmittal Letter to the DO/EO/US Concerning  
a Filing Under 35 USC 371 (3 pages, in duplicate);
4. Application Data Sheet (6 pages);
5. English Translation of International Application (56 Pages);
6. English Translation of Formal Drawings (19 pages);
7. Signed Declaration and Power of Attorney (5 pages);
8. Assignment Cover Sheet and Assignment (4 pages);
9. IDS w/ Form HDP-1449 (citing 9 refs, 8 enclosed) and ISR, Eng  
Translation of ISR & Written Opinion of ISA;
10. Published International Application WO 2004/071033 A1; and
11. Return Postcard.

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

*Susan McGaw*  
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Susan McGaw